



Tripp Lite
1111 West 35th Street
Chicago, IL 60609 USA
Telephone: +(773) 869 1234
E-mail: saleshelp@tripplite.com

Model #: SMART1500CRMXL

SmartPro Compact Rackmount UPS System - Precision Protection for Network / Telecom Wiring Closets and Reduced Depth Installations

Highlights



- 1500VA / 1.5kVA line interactive 2U rack / tower UPS with high power factor 1440W capacity
- Maintains sine-wave 120V nominal output over an input range of 87 to 145V
- Network communications supported via USB port, serial port, SNMP/Web card slot and EPO interface
- Expandable runtime with optional external battery packs
- Input: NEMA 5-15P (120V 15A) / Output: 8 NEMA 5-15R (120V)
- 2 year product warranty / \$250,000 [Ultimate Lifetime Insurance](#) (USA, Puerto Rico & Canada only)

Description

Tripp Lite's SmartPro Compact Rackmount Uninterruptible Power Supply (UPS) offers line interactive voltage regulation, network grade surge suppression and long lasting battery support for critical network hardware during blackouts and extended power failures. Larger internal batteries and higher rated wattage makes these systems ideal for network and telecom wiring closets and other limited-space installations. Runtime is expandable with optional BP48V48RT4U and BP48V24-2U reduced-depth external battery packs.

SMART1500CRMXL 2U rackmount 1500VA/1440 watt UPS offers battery-derived sine wave AC output during power failures and extreme voltage variations. Line interactive Automatic Voltage Regulation (AVR) provides two levels of voltage boost during brownouts and one level of voltage cut during overvoltage conditions to maintain regulated 120V nominal output over an input range of 83-145V. Includes NEMA 5-15P input plug and NEMA 5-15R output receptacles. Network management interfaces support simultaneous communications via USB port, DB9 serial port and optional SNMP/Web management accessory card slot. Optional SNMPWEBCARD offers remote management and control of the UPS via direct network connection. Additional ENVIROSENSE accessory, when used in conjunction with SNMPWEBCARD reports temperature, humidity and status of up to two directly connected contact closure sensors. HID-compliant USB interface enables full integration with built-in power management and auto shutdown features of Windows and Mac OS X. Supports detailed monitoring of equipment load levels, self-test data and utility power conditions via all 3 network interfaces at once. Includes PowerAlert monitoring software with USB and serial cables. Emergency Power Off (EPO) interface. Integrated 3-bank programmable PDU switching supports load shedding and remote-reboot of up to 3 individual connected devices. 3-stage metered current monitoring and battery charge status LEDs. Utility power and voltage regulation LEDs. Audible alarm. Self-test. 4-post rackmount accessories included; 2-9USTAND tower stands and 2POSTRMKITWM 2 post rackmount kit available. Field-replaceable, hot-swappable internal batteries and external battery packs. Attractive all-black color scheme. 2-year warranty and \$250,000 [connected equipment insurance](#); extended warranty and service contracts available.

Applications

- Higher rated wattage make these systems ideal for network and telecom wiring closets and other limited-space installations

Package Includes

SmartPro compact rackmount UPS System

4-post rackmount installation hardware

USB and serial cabling

Owner's manual with warranty information

Features

- Tripp Lite's SmartPro Compact Rackmount Uninterruptible Power Supply (UPS) offers line interactive voltage regulation, network grade surge suppression and long lasting battery support for critical network hardware during blackouts and extended power failures
- Larger internal batteries and higher rated wattage make these systems ideal for network and telecom wiring closets and other limited-space installations
- Runtime is expandable with optional BP48V48RT4U and BP48V24-2U reduced-depth external battery packs
- SMART1500CRMXL 2U rackmount 1500VA / 1440 watt UPS offers battery-derived sine wave AC output during power failures and extreme voltage variations
- Line interactive Automatic Voltage Regulation (AVR) provides two levels of voltage boost during brownouts and one level of voltage cut during overvoltage conditions to maintain regulated 120V nominal output over an input range of 83-145V
- Includes NEMA 5-15P input plug and NEMA 5-15R output receptacles
- Network management interfaces support simultaneous communications via USB port, DB9 serial port and optional SNMP/Web management accessory card slot
- Optional SNMPWEBCARD offers remote management and control of the UPS via direct network connection
- Additional ENVIROSENSE accessory, when used in conjunction with SNMPWEBCARD reports temperature, humidity and status of up to two directly connected contact closure sensors
- HID-compliant USB interface enables full integration with built-in power management and auto shutdown features of Windows and Mac OS X
- 97% efficiency in line power mode offers substantially lower operating costs than lower efficiency UPS types
- Supports detailed monitoring of equipment load levels, self-test data and utility power conditions via all 3 network interfaces at once
- Includes PowerAlert monitoring software with USB and serial cables
- Emergency Power Off (EPO) interface
- Integrated 3-bank programmable PDU switching supports load shedding and remote-reboot of up to 3 individual connected devices
- 3-stage metered current monitoring and battery charge status LEDs; Utility power and voltage regulation LEDs; Audible alarm; Self-test
- 4-post rackmount accessories included; 2-9USTAND tower stands and 2POSTRMKITWM 2-post rackmount kit available
- Field-replaceable, hot-swappable internal batteries and external battery packs
- Attractive all-black color scheme
- 2-year warranty and \$250,000 connected equipment insurance; extended warranty and service contracts available

Specifications

SYSTEM OVERVIEW	
Voltage compatibility	120
Frequency compatibility	60
OUTPUT	
Output VA	1500
Output watts	1440
Output nominal voltage	120V
Output voltage regulation	LINE MODE: Sine wave line voltage 120V (-18% / +8%)
Output frequency regulation	LINE MODE: Passes line frequency of 60Hz +/-10%
Outlet quantity / type	8 5-15R
Customized load management receptacles	3 individually controllable single outlet load banks
Overload protection	Via 15A input breaker
INPUT	
Maximum input amps	12A

Input connection type	5-15P
Input cord length	10 ft / 3m
Recommended Electrical Service	120V 15A
BATTERY	
Full load runtime	6 min (1440W)
Half load runtime	14 min (720W)
Expandable battery runtime	Yes - with BP48V24-2U (limit 1) or BP48V48RT4U (no limit)
DC system voltage	48VDC
Battery recharge rate	3 hours from 10% to 90% (internal batteries)
Replacement Battery Cartridge	RBC94-2U
VOLTAGE REGULATION	
Voltage regulation description	Automatic Voltage Regulation (AVR) circuits maintain clean, regulated computer-grade output, without using battery power, during brownouts to 83V and overvoltages to 145V
Overvoltage correction	Input voltages between 127 and 145 volts AC are reduced by 12%
Brownout correction	Input voltages between 96-108 are boosted by 12%
Severe brownout correction	Input voltages between 83 and 95 are boosted by 24%
LEDS ALARMS & SWITCHES	
Front panel LEDs	5 front panel LEDs - Green POWER LED, Green VOLTAGE CORRECTION LED, 3 color BATTERY CHARGE LED, 3 color OUTPUT LOAD LEVEL LED, red BATTERY WARNING LED.
Alarms	3 function audible alarm indicates power failure conditions (4 short beeps every 10 seconds), overload (continuous short beeps) and low battery (continuous tone)
Switches	Yes, includes 2 front panel mounted push-button switches for system enable, self-test and alarm cancel functions. Back panel includes voltage selection dip switches for 120 / 110 / 100 volts nominal
SURGE / NOISE SUPPRESSION	
AC surge suppression	570 joules
AC suppression response time	Instantaneous
EMI / RFI AC noise suppression	Yes
PHYSICAL	
Shipping weight (lbs)	70.7
Shipping weight (kg)	32.1
Shipping Dimensions (HWD/in)	9.25 x 24 x 20
Shipping Dimensions (HWD/cm)	23.5 x 61 x 50.8
Unit weight (lbs)	60
Unit weight (kg)	27.2
Unit Dimensions (HWD/in)	3.5 x 17.5 x 19
Unit Dimensions (HWD/cm)	8.9 x 44.5 x 48.3
Material of construction	Steel

Form factors supported	Rack (2U)
Cooling method	Fan
Battery Access	Via battery access door
ENVIRONMENTAL	
Relative Humidity	0 to 95%, non-condensing
Storage Temperature	+5 to +122 degrees Fahrenheit
Operating Temperature	+32 to +104 degrees Fahrenheit
Line mode BTU/hr. (Max.)	151 BTU/hr (1440w load)
Battery mode BTU/hr. (Max.)	544 BTU/hr (1440w load)
COMMUNICATIONS	
Network monitoring port	HID-compliant USB port and RS232
Software and cabling included	Includes PowerAlert UPS monitoring software for all common network and standalone operating systems. Ships with 2 cables, 1-USB to USB & 1-DB9 to DB9
SNMP compatibility	Built-in accessory slot accommodates internal SNMPWEBCARD and other network accessories
WatchDog compatibility	Yes, compatible with Tripp Lite's WatchDog system service software to restore operation to locked equipment through soft reboot of application / OS or hard power off/on reboot of connected equipment - ideal for unattended kiosk applications
LINE / BATTERY TRANSFER	
Transfer time from line power to battery mode	5.5 milliseconds
Low voltage transfer to battery power	Switches to battery power as line voltage drops to 83v or less. Switches back to AC mode when line voltage recovers to 87V or better.
High voltage transfer to battery power	Switches to battery power as line voltage increases to 145V or higher. Resets to line power as line voltage recovers to 141v or lower.
SPECIAL FEATURES	
EPO port	Includes RJ11 EPO (emergency power off) port and interconnection cable
Appearance	Attractive all-black housing
BATTERY PACK ACCESSORY (optional)	
Battery Pack Accessory (optional)	BP48V242U (limit 1) and BP48V48RT4U (multi-pack compatible)
CERTIFICATIONS	
Certifications	Tested to UL1778 (USA), CSA (Canada), NOM (Mexico), Class A (EMI), RoHS
WARRANTY	
Product Warranty Period	2 year product warranty
Connected Equipment Coverage	\$250,000 connected equipment insurance (USA / Canada only)
Optional Coverage	3 year, 5 year, next day and on-site warranty coverage available for select opportunities

Related Items

Extended Warranties		
WEXT3-2200-3000	3-Year Extended Warranty - 1-year extension of standard 2-year warranty	Qty: [optional]
WEXT5-2200-3000	5-Year Extended Warranty - 3-year extension of standard 2-year warranty	Qty: [optional]

External Battery Packs		
BP48V24-2U	BP48V242U - External Battery Pack for UPS System	Qty: [optional]
BP48V48RT4U	External Battery Packs for UPS System	Qty: [optional]

Power Distribution		
PS7224-20	Tripp Lite Power Strip - Multiple outlets wherever you need them	Qty: [optional]
PDU1220	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	Qty: [optional]
PDUMV20	Notes	Qty: [optional]
PDUMH20ATNET	Notes	Qty: [optional]
PDUMH20	Notes	Qty: [optional]

Rackmount/Wallmount Kits		
2POSTRMKITWM	Two Post Rackmount / Wallmount Kit	Qty: [optional]

SNMP Accessories		
ENVIROSENSE	Power Management Tools - Environmental Sensor	Qty: [optional]
SNMPWEBCARD	Power Management Tools - Internal SNMP/Web Card	Qty: [optional]

Software		
WATCHDOGSW	WatchDog Service Monitoring / Reboot Software	Qty: [optional]

Surge Protectors		
DTEL2	Network Surge Suppressor - Essential protection for data and communication lines	Qty: [optional]
DNET1	Network Surge Suppressor - Essential protection for data and communication lines	Qty: [optional]
DCATV	Network Surge Suppressor - Essential protection for TV/VCR coaxial lines	Qty: [optional]

Tower Stands		
2-9USTAND	Tower Stand - Expandable Tower Base Stand UPS Accessory	Qty: [optional]

USB Hubs/Accessories		
U022-010	USB Cable - 10-ft. USB 2.0 AB Gold Device Cable	Qty: [optional]

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=3826.